

PUBLIC NOTICE

PERMIT APPLICATION: NRS #05.407

APPLICANT: City of Memphis
Division of Public Works
125 N. Main Street, Suite 620
Memphis, TN 38103-2091
901-576-6720

LOCATION: unnamed tributary to Nonconnah Creek located south of Wyndyke
Country Club (35.0378°N, 89.7752°W)

WATERSHED DESCRIPTION: The proposed activity is located in the Nonconnah watershed (HUC 06010211). The unnamed tributary to Nonconnah Creek has not been assessed. The unnamed tributary to Nonconnah Creek ranges from 50 ft. to 80 ft. wide at top of bank. The channel bottom ranges from 40 ft. to 50 ft. wide. The flow width and depth varies through out the channel. The land use in the immediate area is predominantly residential.

PROJECT DESCRIPTION: The applicant proposes to stabilize an unnamed tributary to Nonconnah Creek. The stream is currently head-cutting and threatening a sewer line that runs parallel to the west bank. The banks of the stream would be excavated back at a 2:1 slope and be stabilized with an erosion control fabric (Enkamat 7020), seeding, and mulch. The slopes and channel bottom except for the low-flow channel would have the erosion control fabric applied. A low-flow channel 10 ft. wide and 8 to 12 in deep would be constructed along the centerline of the stream. The proposed top of bank width ranges from 70 ft. to 120 ft. wide and channel bottom width is 50 ft. The project would involve stabilizing approximately 700 ft. of the unnamed tributary to Nonconnah Creek. The scour hole created by head cutting would be filled to restore the stream grade. A riprap grade control structure would be installed in an attempt to prevent future head cutting. Flow would be diverted during construction by using a 24 in. corrugated metal pipe bypass.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Trent Thomas

USGS TOPOGRAPHIC QUADRANGLE: Germantown, TN (409, SE)

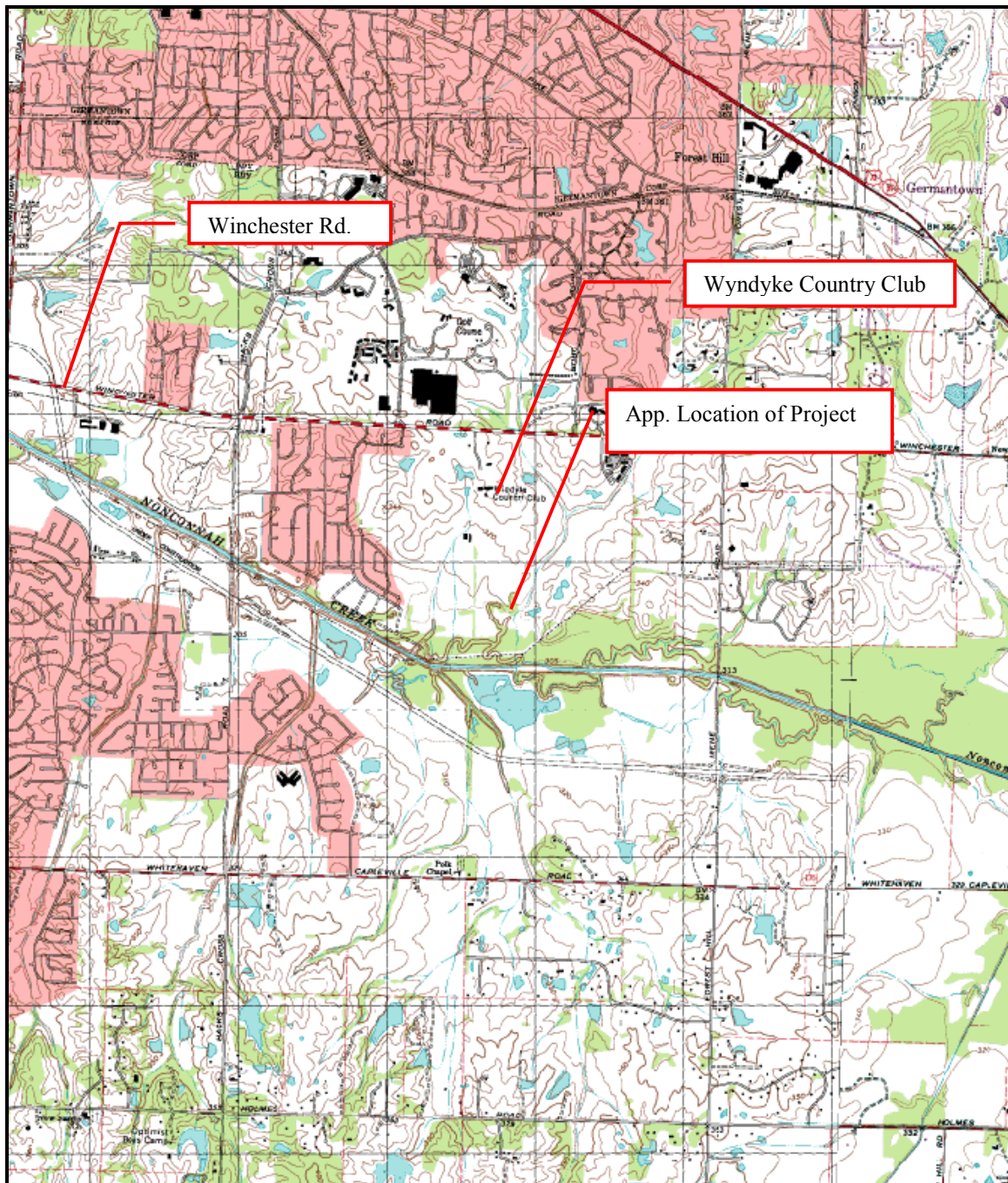


Figure 1: Approximate location of activity in Memphis, TN

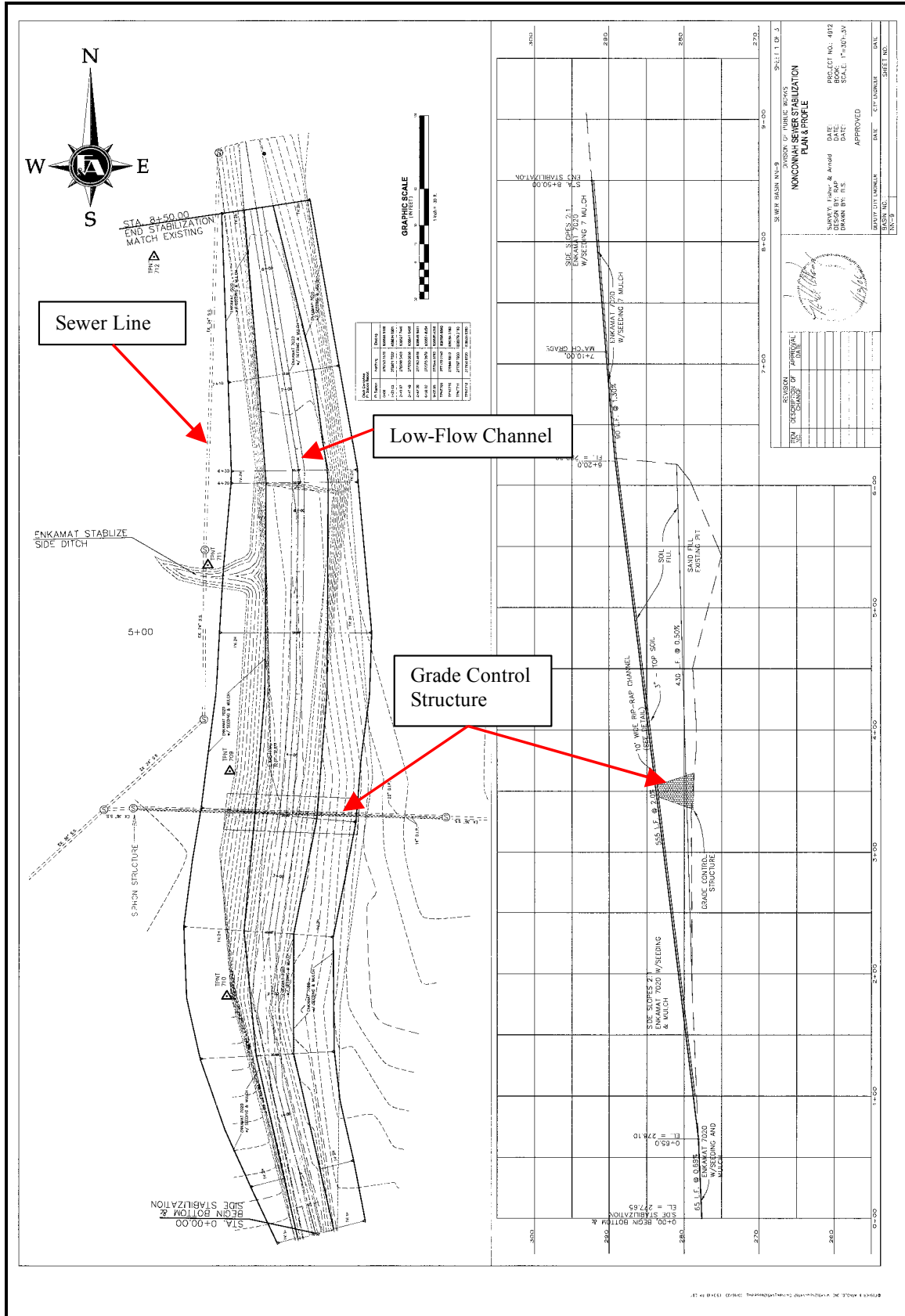


Figure 2: Plan view of proposed activities

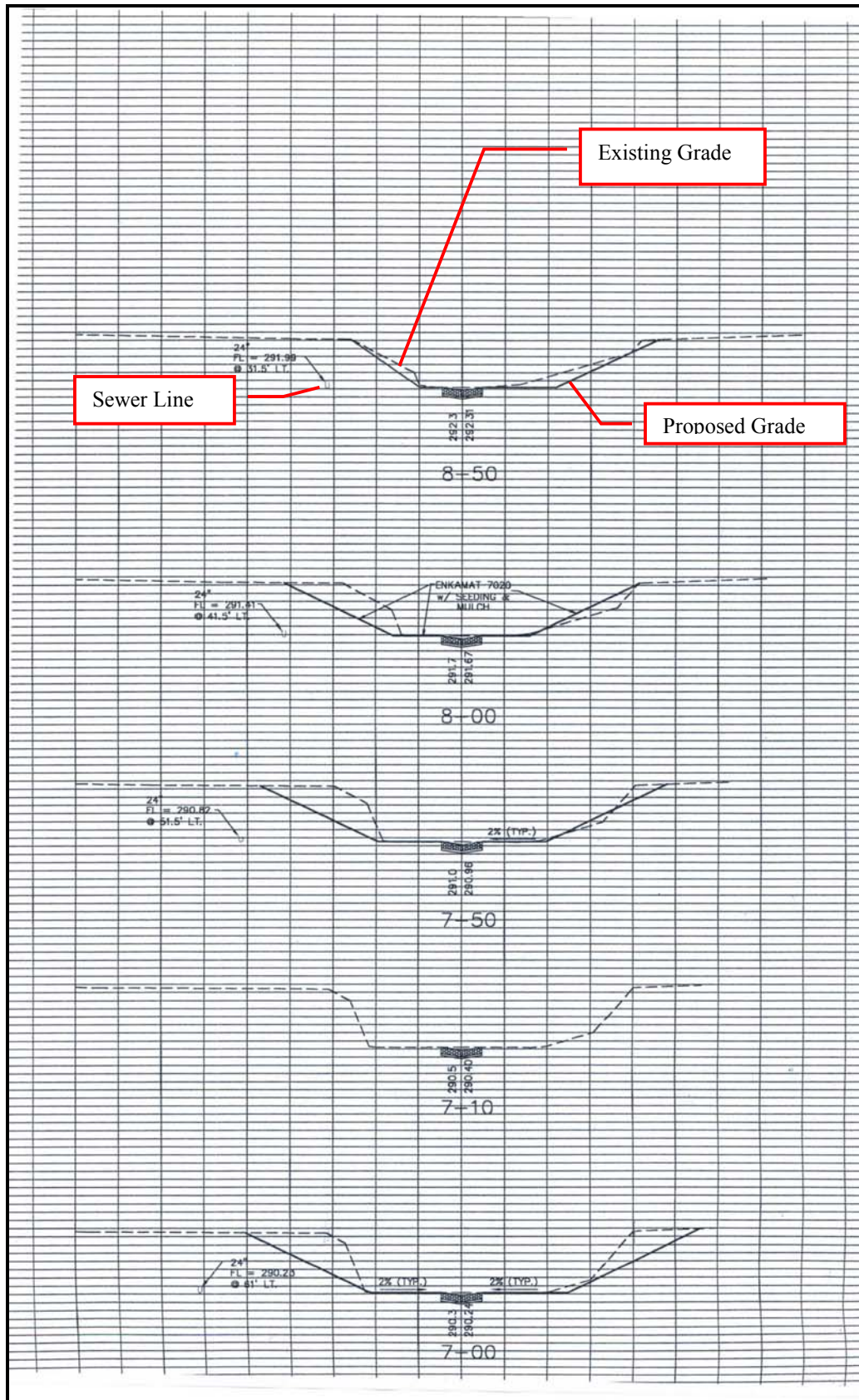


Figure 3: Cross sections of stream



Picture 1: Area of head cutting



Picture 2: Looking downstream